

Power Supply / Antenna Motor Driver 8084743 (9601-20)

FESTO

LabVolt Series

Datasheet



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General Description

The Power Supply / Antenna Motor Driver is the physical base for the Basic Radar Training System. Several modules of the system are designed to be stacked on top of it, side-by-side. The power supply distributes three unregulated dc voltages to the stacked modules through self-aligning connectors. These voltages are regulated within each module to provide the required voltages. Three regulated dc voltage outputs are also available through miniature banana jacks on the front panel of the power supply.

The antenna motor driver supplies power to the Rotating-Antenna Pedestal. It is a Pulse-Width-Modulated (PWM) motor driver that uses a four-quadrant chopper requiring a command signal from the antenna controller or radar target tracking system. It is equipped with front-panel test points for training purposes.

Specifications

| Parameter | Value |
|----------------------------------|---|
| Power Requirement | |
| Current | |
| Service Installation | Standard single-phase ac outlet |
| Power Supply | |
| Unregulated DC Outputs | -25 V typ. -3 A max.; +11 V typ. - 5 A max. (two separate outputs); +25 V typ. - 3 A max. |
| Regulated DC Outputs | -15 V at 0.5 A; +5 V at 1 A; + 15 V at 0.5 A |
| AC Line Protection | |
| Regulated DC Output Protection | |
| Unregulated DC Output Protection | |
| Antenna Motor Driver | |
| Input Voltage Range | -10 to +10 V |
| PWM Output Voltage Range | -24 V to +24 V max. |
| Physical Characteristics | |
| Dimensions (H x W x D) | 104 x 687 x 305 mm (4.1 x 27 x 12 in) |
| Net Weight | |

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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